

Title (en)

IMPROVEMENTS RELATING TO SENSOR DEVICES

Title (de)

VERBESSERUNGEN IM ZUSAMMENHANG MIT SENSORVORRICHTUNGEN

Title (fr)

PERFECTIONNEMENTS APPORTÉS À DES DISPOSITIFS DE DÉTECTION

Publication

EP 2459730 B1 20161207 (EN)

Application

EP 10739971 A 20100726

Priority

- GB 0913015 A 20090727
- GB 0916067 A 20090912
- GB 2010001420 W 20100726

Abstract (en)

[origin: WO2011012848A1] The present invention relates to a sensor device for measuring a level of an analyte of interest in a fluid, such as body fluid (for example blood, plasma, urine, interstitial fluid, saliva), a method of manufacturing a sensor device, a reagent film for use in a sensor, a method of manufacturing a reagent film for use in a sensor, a method of conducting an assay using a sensor, a method of calibrating a measurement from a sensor, a method of calibrating a batch of sensors, a meter for use with a sensor and a kit comprising a meter and a sensor according to the invention. A first aspect of the invention provides a sensor device for measuring a level of an analyte of interest in a fluid comprising: a flowpath for the fluid; on the flowpath, a reagent for the analyte of interest adjacent to an internal standard comprising a first predetermined amount of a first calibration analyte; and further wherein the reagent and the predetermined amount of a first calibration analyte are in dry form. A second aspect of the invention provides a device comprising: a first calibration electrode having a first predetermined amount of first calibration analyte and reagent for the analyte of interest located thereon; a first working electrode having reagent for the analyte of interest thereon, and further wherein the first calibration electrode lies upstream of the first working electrode.

IPC 8 full level

C12Q 1/00 (2006.01); **G01N 33/558** (2006.01)

CPC (source: EP US)

C12Q 1/001 (2013.01 - EP US); **C12Q 1/006** (2013.01 - EP US); **G01N 33/558** (2013.01 - EP)

Cited by

EP3002586A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011012848 A1 20110203; **WO 2011012848 A8 20110310**; CA 2767950 A1 20110203; CA 2767950 C 20191112; CN 102471796 A 20120523; EP 2459730 A1 20120606; EP 2459730 B1 20161207; JP 2013500492 A 20130107; JP 5763067 B2 20150812; US 2012135509 A1 20120531; US 9868974 B2 20180116

DOCDB simple family (application)

GB 2010001420 W 20100726; CA 2767950 A 20100726; CN 201080034198 A 20100726; EP 10739971 A 20100726; JP 2012522240 A 20100726; US 201013387072 A 20100726